

IN THE ABSTRACT:

The Abstract as amended below with a replacement Abstract shows added text with underlining and deleted text with ~~strikethrough~~.

A clean version of the amended abstract is provided with the clean version of the substitute specification.

ABSTRACT OF THE INVENTION

~~Provided are a~~ A disc defect management method and apparatus using a defect management area that can be updated, and a write once disc incorporating the method. A data area is disposed between a ~~The write once disc is a single record layer disc in which a lead-in area, a data area, and~~ area and a lead-out area ~~are sequentially disposed, the disc comprising~~ The disc includes a defect management area (DMA) that is present in ~~at least once in one of the lead-in area and or the lead-out area, wherein defect information and defect management information are repeatedly recorded in the DMA according to a recording operation. Accordingly, the disc defect management method and apparatus are applicable to write once discs and are capable of effectively using~~ enable effective use of the defect management area. The method is also applicable to a multi layer disc having a user data area on each layer. The defect information and the defect management information for an individual defect may include cumulative defect information and defect management information related to previously identified defects.